Project Tender

Project: Traffic Camera Image Analysis System  
Client: Department of defence, peace, safety and security, at the council for scientific and industrial research. (DPSS, CSIR)

Team: Ambitious Designs  
Killian Kieck, Stephen Swanepoel, Dian Veldsman, Tim Kirker  
Department of Computer Science, University of Pretoria

Date: 01 / 05 / 2016

The Team

**Killian Ferdinand Noel Kieck**



**Interests**

* Programming.
* Reading.
* Sports.
* Technology.
* Space.
* Gaming.

**Technical Skills**

* Information Technology.
* Coding / Programming (Java, C, C#, C++, JavaScript / jQuery, HTML / css, android).
* Database design and management.
* Software design and development.
* Computer networking.
* Testing.

**Past experience**

* Web design.

**Non-technical strengths**

* Quick Learner.
* Communications skills.
* Initiative.

**Why I want to do the project:**

Android development has always peeked my interests and this is a great opportunity to improve on my android development skills and obtain a knowledge on image processing libraries, a challenging but interesting project which is also exciting because it gives people a new method to deal with traffic.

**Stephen Swanepoel**



**Interests**

* Programming.
* Nature and wildlife.
* Sports.
* Technology.

**Technical Skills**

* Information Technology.
* Programming (Java, C, C#, C++, JavaScript / jQuery, HTML, CSS).
* Database design and management.
* Software design and development.
* Computer networking.
* Testing.

**Past experience**

* Web design.

**Non-technical strengths**

* Quick Learner.
* Good communications skills.
* Initiative.
* Team player.

**Why I want to do the project:**

From a developers aspect I am interested in this project as I feel it will push me out of my comfort zone and become an interesting learning outcome. I will be exploring new technology which is vital to me as I would like to obtain a strong and diverse skill set regarding software development. Working on an image processing system would assist me in my personal goals to diversify my skill set.

**Dian Veldsman**

**Interests**

**Technical Skills**

**Past experience**

**Non-technical strengths**

**Why I want to do the project:**

**Tim Kirker**

**Interests**

**Technical Skills**

**Past experience**

**Non-technical strengths**

**Why I want to do the project:**

Project Execution

**Development methodology:**   
  
We have decided to use the agile methodology as it allows us to deliver working segments frequently to you (the client), allows for regular adaption to changing circumstances and forces us to continuously look over the software with each new feature release to ensure continuous attention to technical excellence as well as a good design.

**How we intend to keep you informed about the status of your project:**Correspondence via email as well as a few scheduled meetings.

**Initial ideas for solving some of the technical challenges:**

**Technologies we plan on using:**We have looked at using java for the project as it is widely supported with software previously written which will enable us to use as the building blocks to our own software. C# for the web server.

**What you (the client) will receive at the end of the project:**

* Original tender document.
* Requirements specification.
* Architecture and Design Document.
* Developers Guide.
* All the project source code.